

CLAIMS

What is claimed is:

1. A method of streaming media, said method comprising:
  - 5 receiving a plurality of media streams, said plurality of media streams having a mutual downstream destination and a total bandwidth associated therewith;
    - receiving information allowing identification of a selected media stream;
    - performing a service on each of said media streams except for said
  - 10 selected media stream, said service reducing a respective initial bandwidth of each media stream other than said selected media stream so that said total bandwidth is reduced; and
    - streaming said plurality of media streams, wherein said media streams other than said selected media stream are streamed at less than their
  - 15 respective initial bandwidths.
2. The method of Claim 1 wherein said service comprises a transcoding operation.
- 20 3. The method of Claim 2 wherein said transcoding operation is selected from the group consisting of bitrate reduction, rate shaping, spatial downsampling, spatial resolution reduction, frame rate reduction, key frame selection, a change in compression format, data packet elimination, and data packet truncation.
- 25 4. The method of Claim 1 further comprising:
  - receiving information identifying a type of service to be performed.
5. The method of Claim 1 wherein a single device receives said media streams and performs said service.
- 30 6. The method of Claim 1 wherein said media streams are received at respective devices, each device servicing a respective media stream.
- 35 7. The method of Claim 1 wherein said information is generated according to an edit list comprising instructions for editing said media streams.
8. The method of Claim 1 further comprising:
  - recording said media streams prior to said performing of said service.

9. A method of streaming media, said method comprising:  
receiving a plurality of media streams, said plurality of media streams  
having a mutual downstream destination and respective initial bandwidths  
5 associated therewith;  
performing a service on each of said media streams, said service  
reducing a respective initial bandwidth of each media stream;  
streaming said plurality of media streams at less than their respective  
initial bandwidths;  
10 selecting at least one media stream from said plurality of media  
streams; and  
streaming said at least one media stream at its initial bandwidth.

10. The method of Claim 9 wherein said service comprises a  
15 transcoding operation.

11. The method of Claim 10 wherein said transcoding operation is  
selected from the group consisting of bitrate reduction, rate shaping, spatial  
downsampling, spatial resolution reduction, frame rate reduction, key frame  
20 selection, a change in compression format, data packet elimination, and data  
packet truncation.

12. The method of Claim 9 further comprising:  
receiving information identifying a type of service to be performed.  
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13. The method of Claim 9 wherein a single device receives said  
media streams and performs said service.

14. The method of Claim 9 wherein said media streams are received  
30 at respective devices, each device servicing a respective media stream.

15. The method of Claim 9 wherein said selecting is made according  
to an edit list comprising instructions for editing said media streams.

35 16. The method of Claim 9 further comprising:  
recording said media streams prior to said performing of said service.

17. A computer-readable medium having computer-readable program code embodied therein for causing a network mixing device to perform a method of streaming media, said method comprising:

- receiving a plurality of media streams, said plurality of media streams having a mutual downstream destination and a total bandwidth associated therewith;
- executing an operation on each of said media streams except for at least one media stream, said operation reducing a respective initial bandwidth of each media stream other than said at least one media stream so that said total bandwidth is reduced; and
- streaming said plurality of media streams, wherein said media streams other than said at least one media stream are streamed at less than their respective initial bandwidths.

18. The computer-readable medium of Claim 17 wherein said operation comprises transcoding.

19. The computer-readable medium of Claim 17 wherein said operation is selected from the group consisting of bitrate reduction, rate shaping, spatial downsampling, spatial resolution reduction, frame rate reduction, key frame selection, a change in compression format, data packet elimination, and data packet truncation.

20. The computer-readable medium of Claim 17 wherein said at least one media stream is selected in response to an edit list comprising instructions for editing said media streams.

21. The computer-readable medium of Claim 17 wherein said computer-readable program code embodied therein causes said network mixing device to perform said method further comprising:  
recording said media streams prior to said executing of said operation.

22. A computer-readable medium having computer-readable program code embodied therein for causing a network mixing device to perform a method of streaming media, said method comprising:  
receiving a plurality of media streams, said plurality of media streams having a mutual downstream destination and respective initial bandwidths associated therewith;

executing an operation on each of said media streams, said operation reducing a respective initial bandwidth of each media stream;

streaming said plurality of media streams at less than their respective initial bandwidths;

- 5 receiving information selecting at least one media stream from said plurality of media streams; and  
streaming said at least one media stream at its initial bandwidth.

23. The computer-readable medium of Claim 22 wherein said  
10 operation comprises transcoding.

24. The computer-readable medium of Claim 22 wherein said operation is selected from the group consisting of bitrate reduction, rate shaping, spatial downsampling, spatial resolution reduction, frame rate  
15 reduction, key frame selection, a change in compression format, data packet elimination, and data packet truncation.

25. The computer-readable medium of Claim 22 wherein said information for selecting comprises instructions for editing said media streams.  
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26. The computer-readable medium of Claim 22 wherein said computer-readable program code embodied therein causes said network mixing device to perform said method further comprising:  
recording said media streams prior to said executing of said operation.  
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